

WHAT IS CLAIMED IS:

1. An apparatus for servicing an inkjet print head comprising:
a print head wiper adjacent to said print head for wiping said inkjet print head; and
a wiper cleaner adjacent to said print head wiper for cleaning said print head wiper.
2. The apparatus of claim 1, wherein:
said print head wiper is mounted on a rotatable shaft for wiping said inkjet print head
as said shaft rotates; and
said wiper cleaner adjacent to said print head wiper cleans said print head wiper as
said print head wiper rotates past and contacts said wiper cleaner.
3. The apparatus of claim 2, further comprising an ink absorber integrated with
said print head wiper and mounted on said rotatable shaft.
4. The apparatus of claim 3, wherein said ink absorber is mounted on said shaft
opposite said print head wiper.
5. The apparatus of claim 2, wherein said wiper cleaner comprises a fixed
element spaced from said print head wiper such that said wiper cleaner interferes with a path
of rotation of said print head wiper when said print head wiper is rotated about said rotatable
shaft past said wiper cleaner.
6. The apparatus of claim 5, wherein said wiper cleaner further comprises an ink
absorbing media to absorb ink that is wiped from said print head wiper.
7. The apparatus of claim 5, wherein said wiper cleaner is mounted to a print
media guide of an inkjet printer.

8. The apparatus of claim 1, wherein said print head wiper comprises a rubber helical protrusion to reduce wiping torque.

9. An inkjet print head servicing mechanism comprising:
a first element rotatably mounted to a shaft with a protrusion extending therefrom for cleaning a stationary inkjet print head; and
a second element for cleaning the first element.

10. The servicing mechanism of claim 9, wherein said first element further comprises an ink absorption pad for collecting ink expelled by said inkjet print head.

11. The servicing mechanism of claim 10, wherein said first element further comprises an inkjet print head cap for capping said inkjet print head.

12. The servicing mechanism of claim 11, wherein said protrusion, ink absorption pad, and inkjet print head cap are spaced about a periphery of said first element.

13. The servicing mechanism of claim 9, wherein said second element further comprises a wiping blade for cleaning said protrusion of said first element and an ink absorption medium for collecting ink cleaned from said protrusion.

14. The servicing mechanism of claim 9, wherein the protrusion comprises a helical shape to reduce rotation torque as said protrusion contacts said second element.

15. An inkjet print head servicing apparatus comprising:
wiping means for cleaning said inkjet print head; and
cleaning means for cleaning said wiping means.

16. The servicing apparatus of claim 15, further comprising rotational driving means for rotating said wiping means across said inkjet print head and across said cleaning means.

17. The servicing apparatus of claim 15, wherein said cleaning means further comprises scraping means for scraping ink and debris from said wiping means, and ink collecting means for absorbing ink scraped from said wiping means.

18. The servicing apparatus of claim 15, further comprising capping means integrated with said wiping means for capping said inkjet print head.

19. The servicing apparatus of claim 15, further comprising ink absorption means integrated with said wiping means for receiving ink spit from said inkjet print head.

20. An inkjet print head servicing apparatus comprising:
a swath adjacent to said inkjet print head for cleaning said inkjet print head; and
a scraper for cleaning said swath.

21. The servicing apparatus of claim 20, wherein said swath is mounted on a rotatable shaft of a printer, said swath wiping said inkjet print head as said shaft rotates; and
wherein said scraper is located adjacent to said swath and cleans said swath as said swath rotates past and contacts said scraper.

22. The servicing apparatus of claim 21, wherein said scraper comprises a fixed element spaced from said swath such that said scraper interferes with a path of rotation of said swath when said swath is rotated about said rotatable shaft past said scraper.

23. An apparatus for servicing an inkjet print head comprising:

a print head cleaner rotatably mounted to a shaft of an inkjet printer, said print head cleaner including a protrusion that engages a stationary inkjet print head as said print head cleaner is rotated past said inkjet print head; and

a scraper mounted to said inkjet printer adjacent to said print head cleaner, wherein said scraper is spaced from said print head cleaner a predetermined distance such that said print head cleaner contacts said scraper as said print cleaner rotates past said scraper.

24. An apparatus for servicing an inkjet printer comprising:

a print head rotatably mounted to a rotor of said inkjet printer and selectively positionable in at least three rotary positions;

a first wiper disposed adjacent to said print head, said first wiper including a protrusion extending from said rotor such that said protrusion contacts said print head as said print head is rotated past said first wiper;

a spittoon mounted to said inkjet printer adjacent to said first wiper, said spittoon including a depository receptive of ink ejected from said print head;

an integrated cap and second wiper disposed adjacent to said spittoon, said second wiper including a protrusion extending such that said protrusion contacts said print head after said print head rotates past said spittoon; and wherein said cap provides a hermetic seal with said print head in one of said at least three rotary positions.

25. An apparatus for servicing an inkjet printer comprising:

a print head rotatably mounted to a rotor for selectively positioning said print head in at least three positions;

a first wiper disposed adjacent to said print head for wiping said print head as said print head is rotated past the wiper;

a spittoon disposed adjacent to said first wiper for collecting ink ejected from said print head; and

a cap disposed adjacent to said spittoon for hermetically sealing said print head.

26. The apparatus of claim 25, wherein said first wiper is fixed in position relative to said print head.

27. The apparatus of claim 25, further comprising a second wiper integrated with said cap for wiping said print head after said print head ejects ink into said spittoon.

28. The apparatus of claim 25, wherein said at least three positions comprise a printing position, a spitting position, and a capping position.

29. The apparatus of claim 25, wherein said print head may be cleaned without withdrawing a print media from said inkjet printer.